

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: July 4, 2001, 23:34:20 ; Search time 594.66 Seconds
(without alignments)
1758.084 Million cell updates/sec

Title: US-09-117-447-1

Perfect score: 3687

Sequence: 1 atgagtaggaaaaaagctgt.....ttacattctataatgaataa 3687

Scoring table:

IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 379599 seqs, 141776823 residues

Total number of hits satisfying chosen parameters: 759198

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Pending_Patents_NA_New:*
- 1: /cgnl_7/ptodata/2/pna/PCT_NEW_COMB.seq:*
 - 2: /cgnl_7/ptodata/2/pna/US06_NEW_COMB.seq:*
 - 3: /cgnl_7/ptodata/2/pna/US07_NEW_COMB.seq:*
 - 4: /cgnl_7/ptodata/2/pna/US08_NEW_COMB.seq:*
 - 5: /cgnl_7/ptodata/2/pna/US09_NEW_COMB.seq:*
 - 6: /cgnl_7/ptodata/2/pna/US60_NEW_COMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	50	1.4	30549	5	US-09-134-001C-322 Sequence 322, App
2	47.8	1.3	1284	5	US-09-134-001C-2306 Sequence 2306, App
3	46.6	1.3	882	5	US-09-783-514A-1813 Sequence 1813, App
4	46.6	1.3	882	5	US-09-315-788A-1813 Sequence 1813, App
5	46.6	1.3	918	5	US-09-560-875A-4294 Sequence 4294, App
6	46.6	1.3	1301	5	US-09-614-887-831 Sequence 831, App
7	44	1.2	396	5	US-09-560-875A-5061 Sequence 5061, App
8	43.8	1.2	461	5	US-09-371-146A-248315 Sequence 248315, App
9	43.6	1.2	892	5	US-09-371-146A-219252 Sequence 219252, App
10	43.2	1.2	273	5	US-09-371-146A-3430 Sequence 3430, App
11	42.8	1.2	1791	5	US-09-134-001C-2707 Sequence 2707, App
12	42.2	1.1	993	5	US-09-134-001C-974 Sequence 974, App
13	42	1.1	271	4	US-08-221-623D-610 Sequence 610, App
14	42	1.1	801	5	US-09-134-001C-2616 Sequence 2616, App
15	41.2	1.1	441	5	US-09-371-146A-101327 Sequence 101327, App
16	41.2	1.1	2409	5	US-09-134-001C-1003 Sequence 1003, App
17	40.8	1.1	303	5	US-09-371-146A-239837 Sequence 239837, App
18	40.8	1.1	1185	5	US-09-134-001C-2117 Sequence 2117, App
19	40.4	1.1	936	5	US-09-134-001C-1398 Sequence 1398, App
20	40.2	1.1	371	5	US-09-371-146A-266361 Sequence 266361, App
21	40	1.1	2405	5	US-09-298-523C-70 Sequence 70, App
22	39.8	1.1	11091	5	US-09-134-001C-2243 Sequence 2243, App
23	39.6	1.1	4675	5	US-09-560-875A-8064 Sequence 8064, App
24	39.4	1.1	371	5	US-09-371-146A-267664 Sequence 267664, App
25	39.2	1.1	3033	5	US-09-134-001C-2341 Sequence 2341, App
26	39.2	1.1	3846	5	US-09-560-875A-3398 Sequence 3398, App
27	39	1.1	1210	5	US-09-560-875A-8031 Sequence 8031, App

C	28	38.8	1.1	339	5	US-09-134-001C-515	Sequence 515, App
C	29	38.8	1.1	459	5	US-09-371-146A-270310	Sequence 270310, App
C	30	38.8	1.1	729	5	US-09-134-001C-491	Sequence 491, App
C	31	38.6	1.0	306	5	US-09-371-146A-260810	Sequence 260810, App
C	32	38.4	1.0	646	5	US-09-614-887-386	Sequence 386, App
C	33	38.4	1.0	1590	5	US-09-446-861-73	Sequence 73, App
C	34	38.2	1.0	422	5	US-09-854-133-337	Sequence 337, App
C	35	38.2	1.0	498	5	US-09-134-001C-2731	Sequence 2731, App
C	36	38.2	1.0	1329	5	US-09-134-001C-196	Sequence 196, App
C	37	38.2	1.0	1608	5	US-09-134-001C-2407	Sequence 2407, App
C	38	38	1.0	690	5	US-09-134-001C-1404	Sequence 1404, App
C	39	38	1.0	966	5	US-09-134-001C-53	Sequence 53, App
C	40	38	1.0	1210	5	US-09-560-875A-8031	Sequence 8031, App
C	41	38	1.0	4109	1	PCT-US01-08836-42	Sequence 42, App
C	42	37.8	1.0	204	5	US-09-134-001C-2531	Sequence 2531, App
C	43	37.8	1.0	420	5	US-09-134-001C-1576	Sequence 1576, App
C	44	37.8	1.0	507	5	US-09-371-146A-263288	Sequence 263288, App
C	45	37.8	1.0	3552	5	US-09-134-001C-693	Sequence 693, App

ALIGNMENTS

RESULT 1	US-09-134-001C-322	Application US/09134001C
Sequence 322, App	US-09-134-001C-322	
GENERAL INFORMATION:		
APPLICANT:	Lynn Doucette-Stamm et al	
TITLE OF INVENTION:	NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC	
TITLE OF INVENTION:	EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS	
FILE REFERENCE:	GTC-007	
CURRENT APPLICATION NUMBER:	US/09/134,001C	
CURRENT FILING DATE:	1998-08-13	
PRIOR APPLICATION NUMBER:	US 60/064,964	
PRIOR FILING DATE:	1997-11-08	
PRIOR APPLICATION NUMBER:	US 60/055,779	
PRIOR FILING DATE:	1997-08-14	
NUMBER OF SEQ ID NOS:	5674	
SEQ ID NO	322	
LENGTH:	30549	
TYPE:	DNA	
ORGANISM:	Staphylococcus epidermidis	
US-09-134-001C-322		
Query Match	1.4%;	Score 50; DB 5; Length 30549;
Best Local Similarity	42.7%;	Pred. No. 0.12;
Matches	324;	Conservative 0; Mismatches 425; Indels 9; Gaps 1;
QY 619	aaagcgcggaagtacaagacgctgtgaagcagcgaatttagacaagaagtaagctgtc 678	
DB 26770	aaagcagaataactaattgtagttaaataattataaagaactcaacacatgca 26829	
QY 679	gttgatcaaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaatca 738	
DB 26830	aatgatgaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaatca 26889	
QY 739	gaagtagcgaagaagaagcattagatgcagatgaagctgccttactcacaagaattga 798	
DB 26890	tttgatttaaatgtagcgaatgaatccttaagagatgaacttaataatcaagcttct 26949	
QY 799	gtaagtcgattcaactcaactcaactcaactcaactcaactcaactcaactcaactca 858	
DB 26950	gtccaagcgaagcgaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaat 27009	
QY 859	acactaaatcaactcaactcaactcaactcaactcaactcaactcaactcaactcaact 912	
DB 27010	gcttaagtaatgctcgaagaagctcttgcaagaagaagaatgtaaaaaattagatga 27069	
QY 913	---actgtacgtatcataaagtgcagcgttaacattgccttaataacgcagat 969	
DB 27070	caattcaggaactcaacaagaagtgtatgagatcaataaagtgttaaatgtatccaa 27129	

QY	970	gttccttattctacagacggaaaaaactatacactgtgtgatgtcttcacactcacttcgaaat	1029
Db	27130	cgttatacaaaagctaaagctaaagcaalttcacatacgtlacaacttcttatcttatatcaat	27189
QY	1030	aatacggagttataaagtagttagttaaagytatataaagacaaaaatgycgcaagaatttaa	1089
Db	27190	gatgcacagcgctacatattgtctgaaataataataattcacacactctgtatgtattatcatcttta	27249
QY	1090	gaagatgcatttcacttcgaagcttcgaatgatgtctgtagtattaccgaagtgttggact	1149
Db	27250	gcaatatacattatcttaagctagtgatttagataatgtcaatgaaagacttacgagataact	27309
QY	1150	aatgtaacaacaacacactctctgtaaacttagcagcagylactttcgacactgtagatact	1209
Db	27310	atagaaagtaatttcacactctcgttccaaataagtgtagtaattatataatgtctgataagaat	27369
QY	1210	ttaacagtagtatttggataagttgttagcaccttgaaactgtlaaacagctcgaacgttact	1269
Db	27370	ttacaaattggaatttggatgtaggcgtacacaacagcaagtcgaacaagtlcttaaaaacttca	27429
QY	1270	attacagatgttgaaaactggaaaaacgcatttcagtaattgcatcttaacttctgttctaca	1329
Db	27430	gaaaaatccagcaacggaattgaaagaagtattaggtcttagtccaagccatttacgatacaaaa	27489
QY	1330	attactattacgttaaaagaagcglttagtaactggttaa	1367
Db	27490	aatgcatltaaatggtgaacacagcacttgcgaactgagaa	27527

```

RESULT      2
US-09-134-001C-2306
; Sequence 2306, Application US/09134001C
; GENERAL INFORMATION:
;   APPLICANT: Lynn Doucette-Stamm et al
;   TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
;   TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
;   FILE REFERENCE: GTC-007
;   CURRENT APPLICATION NUMBER: US/09/134, 001C
;   CURRENT FILING DATE: 1998-08-13
;   PRIOR APPLICATION NUMBER: US 60/064, 964
;   PRIOR FILING DATE: 1997-11-08
;   PRIOR APPLICATION NUMBER: US 60/055, 779
;   PRIOR FILING DATE: 1997-08-14
;   NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 2306
;   LENGTH: 1284
;   TYPE: DNA
;   ORGANISM: Staphylococcus epidermidis
US-09-134-001C-2306

```

Query Match	1.3%	Score 47.8;	DB 5;	Length 1284;
Best Local Similarity	44.28;	Pred. No. 0.18;		
Matches 196; Conservative	0;	Mismatches 247;	Indels 0;	Gaps 0;

QY 311 aatatgaacttacgtttlccaagcaaacccctaatactcgcggaagctcgttagcaactl 370
 || | |||| | | | | | | | | | | | | |
 Db 539 aacacgaaacagacttagcgatgaa tca ccggaagcgagcaattcaagaa gctaaaa 598
 QY 371 acatcgatgcttacaactatgcacaaaaattagacgaaatgcgccaagcctagaagcty 430
 | | | | | | | | | | | | | | | | |
 Db 599 gtgaagltgattccaacaataaaca tcta cagcgcacatagatagtgagaaagaaactl 658
 QY 431 ctgttcaagcaanaagatttagaabaagcagaacaatactatcacaaaattccattatgaaa 490
 || | | | | | | | | | | | | | | | |
 Db 659 ctgctgaagaatctgcaattgtctcaaacgcgcagttaaagaagcagcagcaatcatgatt 718
 QY 491 ttaaaactcgcacagtcatttttagatcgcgtatatgtgtaaacaacactcgtgatttacttc 550
 | | | | | | | | | | | | | | | | |
 Db 719 tagcaaaccttctcgcgaagtgagagagatacta aaagta agtcagaaactcgaaaacagaaa 778
 QY 551 gctctacattttaaagcanaagcacagaacttcgcgcacagcttaatttatgatataccg 610
 | | | | | | | | | | | | | | | | |

Db 779 aaltagctgcgcgcgcaaaaagcaaaaaaagatagataataataataatgaagltgtcta 838

Oy 611 ttgcgaatgaaaagcgcgcgaagtacaagacgctgtgtgaagcagcgaatttagacaaagcta 670
| | ||| | | ||| ||| ||| | | |
Db 839 gtaacacgcaaaaatctaattgcagaagaagaagctataaaaagcttcaaatcaactctgatgttc 898

Oy 671 aagctgctgttgtatcaaatcaatccatacttaccaaaaglaacagatgcttccaaaactg 730
| | ||| | | | ||| ||| | | | | |
Db 899 caaatcttgttaactaatltaaatcaatctcaagcatcgatatactaatctcagttgtctatc 958

Oy 731 aactaacagaagtagcgaaaaaaa 753
| | ||| | | ||| ||| | | |
Db 959 gcttagcacagcgcaagcaaaaagaa 981

```

RESULT      3
US-09-783-514A-1813
; Sequence 1813, Application US/09783514A
; GENERAL INFORMATION:
;   APPLICANT: Gearing, David P.
;   APPLICANT: Holtzman, Douglas A.
;   TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
;   TITLE OF INVENTION: HUMAN ASTROCYTE LIBRARY
;   FILE REFERENCE: 1600.1019-002
;   CURRENT APPLICATION NUMBER: US/09/783,514A
;   CURRENT FILING DATE: 2001-05-21
;   PRIOR APPLICATION NUMBER: 09/315,788
;   PRIOR FILING DATE: 1999-05-21
;   PRIOR APPLICATION NUMBER: 60/086,455
;   PRIOR FILING DATE: 1998-05-22
;   PRIOR APPLICATION NUMBER: 60/132,067
;   PRIOR FILING DATE: 1999-04-30
;   NUMBER OF SEQ ID NOS: 2346
;   SOFTWARE: FastSeq for Windows Version 4.0
;   SEQ ID NO 1813
;   LENGTH: 882
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(882)
;   OTHER INFORMATION: n = A,T,C or G
US-09-783-514A-1813

```

Query Match	1.3%	Score 46.6;	DB 5;	Length 882;
Best Local Similarity	48.3%	Pred. No. 0.3;		
Matches 130; Conservative	0;	Mismatches 139;	Indels 0;	Gaps 0;

QY 648 agcagcgcaattttagacaaaagctaaagctgtcgttgatccaatacatcaactlaccmaa 707
||| ||| | ||||| ||| | | | |||
Db 499 agctgttaaatclaaagaagaagctacagataacctataaactctaigtlygaaaaatatgcatt 558

QY 708 agtaacagatgcctttccaaaactgaactaacagaaagttagcgaaaaaagcattagatgcaga 767
||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 559 agcaaaagctgatcttcgaacagaaaatgacagaaacagctccagaattccaagatatga 618

QY 768 tgaagctgcgcttacgccaaaagtlgaaagtgtaagtygatftaacctcaaacacaagc 827
||||| ||| ||| ||| ||||| ||| ||| ||| |||
Db 619 agaaactcatccattcacataaagaanaattatagatcccttcgtccaatgtcataaagga 678

QY 828 tgttgaattaacagcagtatccagtlgaacgyaacacctaanaatltaacaactttcagctgctgc .887
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 679 aattcatlttgcaagataagcgcaagtlccatgaaagaattltaataacaatggtctaatactac 738

QY 888 aaatgaagatacagttaaacgtlaaatcty 916
| |||| | ||| | | |||
Db 739 agltgaagtttgtatalacaaaatttgccty 767

RESULT 4
US-09-315-788A-1813
; Sequence 1813, Application US/09315788A

```

; GENERAL INFORMATION:
; APPLICANT: Gearing, David P.
; APPLICANT: Holtzman, Douglas A.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
; TITLE OF INVENTION: HUMAN ASTROCYTE LIBRARY
; FILE REFERENCE: 1600.1019-002
; CURRENT APPLICATION NUMBER: US/09/315,788A
; PRIOR FILING DATE: 1999-05-21
; PRIOR APPLICATION NUMBER: 09/315,788
; PRIOR FILING DATE: 1999-05-21
; PRIOR APPLICATION NUMBER: 60/086,455
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/132,067
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 2346
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1813
; LENGTH: 882
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(882)
; OTHER INFORMATION: n - A,T,C or G
US-09-315-788A-1813
```

```

Query Match          1.3%; Score 46.6; DB 5; Length 882;
Best Local Similarity 48.3%; Pred. NO. 0.3;
Matches 130; Conservative 0; Mismatches 139; Indels 0; Gaps 0;
```

```

QY 648 agcaggcaatttagacaaagctaaagctgctgtgatcaaatcaatcaactaccacaa 707
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
DB 499 agctgttaaatctaaagaagctacagatacctataaactctatgttgaaaaatatgcatt 558
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
QY 708 agtaacagatgctttcaaaactgaactaacagaagtagcgaaaaaagcattagatgcaga 767
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
DB 559 agcaaaagctgatttcgaacagaaaaatgacagaaacagctcagaatttcaagataattga 618
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
QY 768 tgaagctgcgttactccaaaagttgaaagtgtgaagtgatgaacttaacactcaaaacaaagc 827
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
DB 619 agaactcatctcattcacataaagaattatagatccctgtccaattgtataaagga 678
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
QY 828 tgtgaattaacagcagtlaccagtgaaagcagcaactaaattacaactttcagctgtgc 887
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
DB 679 aattcattgcagatagccaggtccatgaaagatttataataacatggtcctaactac 738
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
QY 888 aatgaagatacagtaaacgtlaactg 916
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
DB 739 agttgaaagtttgatacaaaaaatttgcgtg 767
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
```

```

RESULT 5
US-09-560-875A-4294
; Sequence 4294, Application US/09560875A
; GENERAL INFORMATION:
; APPLICANT: Tang, Yuanhua T.
; APPLICANT: Tillinghast, John
; APPLICANT: Sinku, Ankura
; APPLICANT: Liu, Chenghua
; APPLICANT: Dirmnac, Radoje T.
; TITLE OF INVENTION: Novel Contigs Obtained
; TITLE OF INVENTION: From Various Libraries
; FILE REFERENCE: 787
; CURRENT APPLICATION NUMBER: US/09/560,875A
; CURRENT FILING DATE: 2000-04-27
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10410
; SOFTWARE: pt_ct_genes Version 1.02
; SEQ ID NO 4294
; LENGTH: 918
; TYPE: DNA
; ORGANISM: Homo sapiens
```

```

; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (55)..(918)
; OTHER INFORMATION: Similar to g12564328 in the genepept database release 114,
; OTHER INFORMATION: Run with FASTX 3.3t00, default parameters
US-09-560-875A-4294
```

```

Query Match          1.3%; Score 46.6; DB 5; Length 918;
Best Local Similarity 48.3%; Pred. NO. 0.3;
Matches 130; Conservative 0; Mismatches 139; Indels 0; Gaps 0;
```

```

QY 648 agcaggcaatttagacaaagctaaagctgctgtgatcaaatcaatcaactaccacaa 707
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
DB 555 agctgtlaaatctaaagaagctacagatacctataaactctatgttgaaaaatatgcatt 614
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
QY 708 agtaacagatgctttcaaaactgaactaacagaagtagcgaaaaaagcattagatgcaga 767
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
DB 615 agcaaaagctgatttcgaacagaaaaatgacagaaacagctcagaatttcaagataattga 674
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
QY 768 tgaagctgcgttactccaaaagttgaaagtgtgaagtgatgaacttaacactcaaaacaaagc 827
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
DB 675 agaactcatctcattcacataaagaattatagatccctgtccaattgtcataaagga 734
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
QY 828 tgtgaattaacagcagtlaccagtlgaacgcaactaaattacaactttcagctgtgc 887
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
DB 735 aattcattgcagatagccaggtccatgaaagatttataataacatggtcctaactac 794
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
QY 888 aatgaagatacagtaaacgtlaactg 916
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
DB 795 agttgaaagtttgatacaaaaaatttgcgtg 823
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
```

```

RESULT 6
US-09-614-887-831
; Sequence 831, Application US/09614887
; GENERAL INFORMATION:
; APPLICANT: Williamson, Mark
; APPLICANT: Shyjan, Andrew W.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
; TITLE OF INVENTION: HUMAN COLON TO LIVER METASTASIS LIBRARY
; FILE REFERENCE: 1600.1140-001
; CURRENT APPLICATION NUMBER: US/09/614,887
; CURRENT FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/143,495
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 920
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 831
; LENGTH: 1301
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-614-887-831
```

```

Query Match          1.3%; Score 46.6; DB 5; Length 1301;
Best Local Similarity 48.3%; Pred. NO. 0.33;
Matches 130; Conservative 0; Mismatches 139; Indels 0; Gaps 0;
```

```

QY 648 agcaggcaatttagacaaagctaaagctgctgtgatcaaatcaatcaactaccacaa 707
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
DB 588 agctgttaaatctaaagaagctacagatacctataaactctatgttgaaaaatatgcatt 647
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
QY 708 agtaacagatgctttcaaaactgaactaacagaagtagcgaaaaaagcattagatgcaga 767
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
DB 648 agcaaaagctgatttcgaacagaaaaatgacagaaacagctcagaatttcaagataattga 707
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
QY 768 tgaagctgcgttactccaaaagttgaaagtgtgaagtgatgaacttaacactcaaaacaaagc 827
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
DB 708 agaactcatctcattcacataaagaattatagatccctgttcaaatgtcataaagga 767
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
QY 828 tgtgaattaacagcagtlaccagtlgaacgcaactaaattacaactttcagctgtgc 887
    ||| | || | | ||||| | | | | | | | | | | | | | | | | | | | |
```


Db 361 aaaaaaaagaaaaaaaagaaaaaaagaaaaaaataaaaaaaataaaa 420

QY 617 tgaagcgcggaagtacagacgctgtgaaagcagccaatttagacaaaagttaaagctg 676

Db 421 aaaaaaaagagaaaaaaagaaaaaaagtgaagaaataaaaaataaaaaaaagatg 480

QY 677 ctgtlgaatcaatcaatcacttacca-aaagtaacagatgcttcaaaactgaacta 735

Db 481 agaaaaaaagaaaaagaaaagataagcatgaagagagaaaaaaagaaaaagaaaaa 540

QY 736 acagaaagtagcgaaaaaaagcattagatgcagatgaaagctgcgcttactccaaaagttgaa 795

Db 541 aaagyaaaaaaaagaaaaaaagaaaaaaataaaaaagaaaaagagaaaaaaataaaa 600

QY 796 agtgaagtcgattaacactccaacaagaagctgttgaaattaacagcagttaccagtgaaac 855

Db 601 aaagyaagygaaatataaaaaagyaagagagagaaaaatgaaaaaaagyaataaaaaaaa 660

QY 856 ggaacactaaaattacaacttccagctgctgcacaatgaaagatacagtaaa 905

Db 661 aaaaaaaaaaaaaaaaaaaagagatgaaaaaaagaaaaaaagaaaaaa 710

```

RESULT 10
US-09-371-146A-3430
; Sequence 3430, Application US/09371146A
; GENERAL INFORMATION:
; APPLICANT: Cheikh, Nordine
; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: ANNOTATED PLANT GENES
; FILE REFERENCE: 38-21(15097)C
; CURRENT APPLICATION NUMBER: US/09/371,146A
; CURRENT FILING DATE: 1999-08-09
; PRIOR APPLICATION NUMBER: US 09/304,517
; PRIOR FILING DATE: 1999-05-06
; NUMBER OF SEQ ID NOS: 294310
; SEQ ID NO 3430
; LENGTH: 273
; TYPE: DNA
; ORGANISM: Zea mays
US-09-371-146A-3430

```

Query Match	1.28;	Score 43.2;	DB 5;	Length 273;
Best Local Similarity	50.58;	Pred. No. 1.2;		
Matches 105; Conservative	0;	Mismatches 103;	Indels 0;	Gaps 0;

QY	1500	tttactactggtctctcttacaacaalgttggggtaaattgctggtgtgtgaatga	1559
Db	64	ttcatctactctttcaaatagttcatctattttcatttaaatgycgcgtgtgttcatcc	123
QY	1560	agctggaacttatatcctggtcttcaattcacacaacglttgctactaagttagacga	1619
Db	124	aatatacactttcgaaaccttaacgatgaagaccggttaattatttgttggtgtttgagctg	183
QY	1620	atctactttagctgtgataactttgtattagttgaaaaaagaatctggtacagttgttgccttc	1679
Db	184	gaacactacccgaagatgatctatttcaataatttcaalcaatttgatctattgtcctaagt	243
QY	1680	tgaactaaaataataatgcagacgctaaa	1707
Db	244	taacattaaataataaccagagggtaaa	271

```

RESULT 11
US-09-134-001C-2707
: Sequence 2707, Application US/09134001C
: GENERAL INFORMATION:
: APPLICANT: Lynn Doucellette-Stamm et al
: TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
: TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
: FILE REFERENCE: GTC-007

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; CURRENT APPLICATION NUMBER: US/09/134, 001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 2707
; LENGTH: 1791
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-2707

```

Query Match	1.2%;	Score 42.8;	DB 5;	length 1791;
Best Local Similarity	51.0%;	Pred. No. 2.2;		
Matches 101; Conservative	0;	Mismatches 97;	Indels 0;	Gaps 0;

QY	164	cagtaacg	ggaactg	tgtgaatt	cccaac	acattaac	gatgtat	atgctga	atataca	caagaag	223
Db	1052	cagccacat	acactg	tgtctctt	gatgat	acataaga	gagatg	ctcttgc	acaacg	aatgaa	1111
QY	224	cgaaaaa	acgatac	cgtgat	gcggtag	catagt	gaataa	aagcag	tgtgcg	cgaaaaa	283
Db	1112	cgaatac	gaggtt	atcaaaa	agtagat	tttagt	tttcaat	gtcca	aaggtg	acgagt	1171
QY	284	acgcttac	ttagct	gtattt	acaaa	aagaat	atgaact	taacgt	tttcca	agcaaac	343
Db	1172	aagctt	gtaaa	aggtga	tgcgaat	tataaaa	aattgaa	atgcatt	ttttac	catgct	1231
QY	344	aatctgc	ggaag	ctcgtg	361						
Db	1232	tacctgt	gtgaa	gtatgtg	1249						

```

RESULT 12
US-09-134-001C-974
; Sequence 974, Application US/09134001C
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134, 001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064, 964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055, 779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 974
; LENGTH: 993
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-974

```

[illegible]

QY 918 acgtatctataaagtgagcgttaaccattcttg 952
| | | | | | | | | | | | | | | | | | | |
Db 870 agactacaaagatagagatatataaaaaagcaatg 904

RESULT 13
US-08-221-623D-610
; Sequence 610, Application US/08221623D
; GENERAL INFORMATION:
; APPLICANT: Adams, et al.
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products
; FILE REFERENCE: PO-10
; CURRENT APPLICATION NUMBER: US/08/221,623D
; CURRENT FILING DATE: 1994-03-31
; NUMBER OF SEQ ID NOS: 3321
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 610
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapiens
US-08-221-623D-610

Query Match 1.1%; Score 42; DB 4; Length 271;
Best Local Similarity 48.0%; Pred. No. 2.2;
Matches 120; Conservative 0; Mismatches 130; Indels 0; Gaps 0;

QY 861 actaaaattacaacttcaagctgctgcaaatgaaagatacagtaaacgtaaatactgtacg 920
| | | | | | | | | | | | | | | | | | | |
Db 1 atagaatctataacctacacattctgatacagaaaagaagtaaacattaaaaaccaga 60
QY 921 tatctataaagtgagcgttaacattccttgcccttaatacagcagatgttcttctatc 980
| | | | | | | | | | | | | | | | | | | |
Db 61 agacaatgaaaatctgatatgacaaagatgatcacacaactaggtgatgaatccctcaa 120
QY 981 tacagacggaaaactatactactgtgatgtctcaactcattcgaaaataatacagagta 1040
| | | | | | | | | | | | | | | | | | | |
Db 121 cataaaggtagaagctgaggaagaaaagcaaatctgagatcgaaacgaaataaagaaga 180
QY 1041 taagtagtagttaaggtattaaagacaaaaatgccaagaatttaagaagaatgcatt 1100
| | | | | | | | | | | | | | | | | | | |
Db 181 agatgaagatgatgaagaagcagaagaggagaggaagaagaagaagaagaagaaga 240
QY 1101 cacttccaag 1110
| | | | | | | |
Db 241 aaatcttaag 250

RESULT 14
US-09-134-001C-2616
; Sequence 2616, Application US/09134001C
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucelte-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 2616
; LENGTH: 801
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-2616

Query Match 1.1%; Score 42; DB 5; Length 801;
Best Local Similarity 47.7%; Pred. No. 2.8;
Matches 123; Conservative 0; Mismatches 135; Indels 0; Gaps 0;

QY 2992 actgtatctgcgaatcccaacgttatcttcaatcagcattgtctgacggtgcaagttaacgtt 3051
| | | | | | | | | | | | | | | | | | | |
Db 22 acgttaagttcgatttgcaagcttcttcaatcacaactgcagctgaacgcacaagaatct 81
QY 3052 gaccgttcttaaaacaattacaattgaattcagcgattcagttccaaaacccaacatcact 3111
| | | | | | | | | | | | | | | | | | | |
Db 82 gagaagctgcgaactagacacatatgcaacgggtgatgttaattacaatatcaactta 141
QY 3112 cttaagaagctgacggaactcattacttaattacacattagtaaatgttaataatgaa 3171
| | | | | | | | | | | | | | | | | | | |
Db 142 ggtattacaattgttaaaacctggagatagtttatataaaattgctttagaacaatactt 201
QY 3172 aataaacaatacaaaattgtatltcccaaaaggtgtaaacacttgacgaagtttactcaatat 3231
| | | | | | | | | | | | | | | | | | | |
Db 202 tctttagaagagcttlatgtcattaaatccctggtgtagaacctcttaatttccgagat 261
QY 3232 gagttagcaagtttcaaaa 3249
| | | | | | | | | |
Db 262 gaaattgtagtactgaa 279

RESULT 15
US-09-371-146A-101327
; Sequence 101327, Application US/09371146A
; GENERAL INFORMATION:
; APPLICANT: Chelkh, Nordine
; APPLICANT: Liu, Jindong
; TITLE OF INVENTION: ANNOTATED PLANT GENES
; FILE REFERENCE: 38-21(15097)C
; CURRENT APPLICATION NUMBER: US/09/371,146A
; CURRENT FILING DATE: 1999-08-09
; PRIOR APPLICATION NUMBER: US 09/304,517
; PRIOR FILING DATE: 1999-05-06
; NUMBER OF SEQ ID NOS: 294310
; SEQ ID NO 101327
; LENGTH: 441
; TYPE: DNA
; ORGANISM: Zea mays
US-09-371-146A-101327

Query Match 1.1%; Score 41.2; DB 5; Length 441;
Best Local Similarity 47.0%; Pred. No. 3.6;
Matches 127; Conservative 0; Mismatches 143; Indels 0; Gaps 0;

QY 195 taacgatgtatatgtcgtgaatalacaaacgaagcaaaaacgataccgtgatgcggtagcatt 254
| | | | | | | | | | | | | | | | | | | |
Db 11 tgatgatcgtacgacgtgaatacgaatgaagaatgaagaatgatgtgatgatgatga 70
QY 255 agtgaataaagcaggtggtgcgcgcaaaaagacgcttacttagctgatttacaaaaagaata 314
| | | | | | | | | | | | | | | | | | | |
Db 71 tgatgatcgtacgaggtgtgtgacgacgacgatgaagacgatgatgaagaaggggtga 130
QY 315 tgaacttaacgttttcaaaagcaaaccttaaatctggcgaagctcggtgtagcaacttaacat 374
| | | | | | | | | | | | | | | | | | | |
Db 131 tgaagatgatgatccctgaggtcaatgtgtgaagggggagtgatgatgaacgacgatga 190
QY 375 cgatgcttaacaactatgcaacaaaattagaacgaatgcygcaagagctagaggtgctgt 434
| | | | | | | | | | | | | | | | | | | |
Db 191 cgatggtgatgatgtgtgaacgatgtatgacgacgatgaagaatgatgaacgaagatgaaga 250
QY 435 tcaagcaaaagatttagaaaaagcagaaca 464
| | | | | | | | | | | | | | | | | | | |
Db 251 tgaagagtgatgaacgacgatgaggaagaaca 280

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